
Subject: Variable is undefined: Actually a function
Posted by [Maegereg](#) on Wed, 06 Jul 2011 20:17:59 GMT
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Still working on the same project as when I last posted an inquiry (the relevant detail would be that I did not write this code). I'm getting the following error at runtime:

```
% Variable is undefined: CALCULATE_DECAY_RATE.  
% Execution halted at: PHYSIOLOGY::MTT  
%           ESTIMATE_AIF_MRTM 283 ~/Developer/DCE-MRI  
ABC/MRTM/estimate_aif_mrtm.pro  
%           ANALYZE_ROI_DATA_EVENT 582 ~/Developer/DCE-MRI  
ABC/ANALYSIS/analyze_roi_data.pro  
%           WIDGET_PROCESS_EVENTS  
%           $MAIN$
```

I've checked through PHYSIOLOGY::MTT, and it does call the function CALCULATE DECAY RATE. The function is defined in calculate_decay_rate.pro, is the last function in that file, and the file is in ~/Developer/DCE-MRI ABC/OTHER_AIF/Bayesian, which is a subfolder of the project directory (~/Developer/DCE-MRI ABC/). I've also tried adding a forward function declaration to PHYSIOLOGY::MTT to no avail. As you might expect, manually compiling calculate_decay_rate.pro, and then manually compiling Physiology__Define.pro before running the project will make the error go away, but whenever I do a full build on the project the error returns. I've checked the project build order, and calculate_decay_rate.pro should be built before Physiology__Define.pro. Any help would be greatly appreciated.

Subject: Re: Variable is undefined: Actually a function
Posted by [Maegereg](#) on Fri, 08 Jul 2011 16:44:35 GMT
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Paulo Penteado wrote:

```
> Is the right file found with  
>  
> print,file_which('calculate_decay_rate.pro')  
> print,file_which('calculate_decay_rate.pro',/include_current_dir)  
>  
> ?  
>  
> Also, what happens if you do  
>  
> resolve_routine,'calculate_decay_rate',/is_function  
>  
> ?
```

```
IDL> print, file_which('calculate_decay_rate.pro')
% Compiled module: FILE_WHICH.
~/Developer/DCE_MRI_ABC/OTHER_AIF/Bayesian/calculate_decay_rate.pro
IDL> print, file_which('calculate_decay_rate.pro',/include_current_dir)
~/Developer/DCE_MRI_ABC/OTHER_AIF/Bayesian/calculate_decay_rate.pro
IDL> resolve_routine, 'calculate_decay_rate', /is_function
% Compiled module: CALCULATE_DECAY_RATE.
```

That's the right files in those first two queries.
